WHAT IS CLAIMED IS:

1. A cleaning device for vehicles, comprising:

at least one storage container (1) for a cleaning liquid;

at least one supply line (3);

at least one spray nozzle (4) connected to the at least one supply line (3);

at least one pump (2) arranged in the at least one supply line (3) and configured to convey the cleaning liquid within the at least one supply line (3) to the at least one spray nozzle (4);

at least one high-pressure pressurizer (5) connected to the at least one supply line (3) and configured to pressurize the cleaning liquid.

2. The device according to claim 1, further comprising a compressor (18) connected to the at least one high-pressure pressurizer (5).

3. The device according to claim 2, wherein the compressor (18) has a switching valve (16) connecting the compressor (18) to the at least one high-pressure pressurizer (5).

4. The device according to claim 1, wherein the at least one supply line (3) has a first check valve (6) arranged between the at least one pump (2) and the at least one high-pressure pressurizer (5) and configured to shut off backflow of the cleaning liquid to the pump (2).

5. The device according to claim 4, comprising at least one pressurized

tank (7) configured to store the pressurized cleaning liquid.

6. The device according to claim 5, wherein the at least one pressurized tank (7) has a feed line (9) connecting the at least one pressurized tank (7) to the at least one supply line (3).

7. The device according to claim 5, wherein the at least one pressurized tank (7) is arranged downstream of the at least one high-pressure pressurizer (5).

8. The device according to claim 5, wherein the supply line (3) has a second check valve (8) arranged between the at least one pressurized tank (7) and the at least one high-pressure pressurizer (5) and configured to shut off backflow of the cleaning liquid to the at least one high-pressure pressurizer (5).

9. The device according to claim 1, comprising a switching valve (12) arranged downstream of the at least one high-pressure pressurizer (5) and configured to control a supply of cleaning fluid to the at least one spray nozzle (4).

10. The device according to claim 1, wherein the at least one spray nozzle (4) is configured to move from a rest position into a cleaning position.

11. The device according to claim 10, further comprising an extension device (13), wherein the at least one spray nozzle (4) is connected to the extension device (13).

12. The device according to claim 11, further comprising a compressor (18), wherein the extension device (13) is configured to be actuated by the compressor (18).

13. The device according to claim 12, further comprising:

a connecting line (20) connecting the compressor (18) and the extension device (13); and

a switching valve (17) arranged in the connecting line (20).

14. The device according to claim 13, wherein the extension device (13) has a piston (24) with a piston rod (29), wherein the at least one spray nozzle (4) is connected to the piston rod (29).

15. The device according to claim 14, wherein the piston (24) delimits a pressure chamber (25) and the pressure chamber (25) is connected to the switching valve (17).

16. The device according to claim 14, wherein the piston (24) is configured to be movable against a counter force.

17. The device according to claim 14, wherein a movement speed of the piston (24) is adjustable.

18. The device according to claim 17, further comprising an adjustable throttle valve (22) positioned in the connecting line (20) between the compressor (18) and the switching valve (17).

19. The device according to claim 1, wherein the at least one high-pressure pressurizer (5) has at least one pressurizing piston (23).